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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/893,912	06/28/2001	John William Richardson	PU010139	5397

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EXAMINER

JAROENCHONWANIT, BUNJOB

ART UNIT

PAPER NUMBER

2143

DATE MAILED: 12/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/893,912	RICHARDSON ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Bunjob Jaroenchonwanit	2143	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 June 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### DETAILED ACTION

1. Claim 1-15 is presented for examination. The rejection cited are as stated below.
2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
3. Claims 11, 3, 6, 7 and 13 are rejected under 103(a) as being unpatentable under Applicant Admission Prior Art (AAPL) and Mao et al. (US 2002/0108119).
4. Regarding claims 1, 3, 6, 7 and 13, Applicant admitted that the CO, DSL, ATM, DSLAM CPE IP ROTUTER and NCS were well known (specification page 1, line 9-page 2, line 26). Furthermore, APPA suggested that the invention intended to solve the problem mentioned in the background of invention and the prior art, such statement inferred that the system in the background of invention was prior art. Although, AAPL is silent to sending IP signal encapsulate with HTTP message to network controller. However, sending HTTP message to controlling device in a head end facility is not new. Several cited prior arts had readily incorporated Web proxy or Web server with the head end facilities, such incorporation would require the HTTP message to be encapsulated in IP packets for traverse through the Internet. For example is Mao, in an analogous art, discloses a head end system comprises an IP gateway and HTTP proxy that included communication HTTP message to a device, i.e., computer in a head end. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to incorporate Mao's teaching of sending HTTP message to a device with

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the head end for requesting or controlling or any other purposes, with the intention to expand the system utilization across network architecture or protocol.

5. Claims 5, 14 and 15 are rejected under 103(a) as being unpatentable under AAPA-Mao, as applied to claim 1, in view of Diong (US 0165953).

6. Claims 5, 14 and 15, AAPA-Mao discloses the invention substantially, as claimed, as described, including , but fails to teach appending serial number with IP encapsulation signals and allowing user to log on based on the serial number. However, in an analogous art, Diong already taught such technique. Diong teaches a network architecture for network appliances, which including embedding serial number of the appliances in an IP packet for log in, validation and identifying account number of its' owner (Fig 2, paragraph 37). Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to employ Diong's technique with the DSL modem in order to enable a head end computer to identify the owner of the modem and map the modem to an appropriate account, which would reduce configuration work load for network administration.

7. Claims 2, 4 and 8-12 are rejected under 103(a) as being unpatentable under AAPA-Mao, as applied to claim 1, in view of what was well known in the art.

8. Regarding claim 2, AAPL-Mao does not explicitly disclose providing web browser on a computer for remote control service. Official Notice is taken that using browser for remote control operation was well known and widely used in the art to provide convenient to the user, since browser is a graphic base input/output interface, which would minimize command line

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remembering. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include the user of browser with a system that readily had a capability to do so, in order to simplify utility of the system.

9. Regarding claim 4, AAPA-Mao does not explicitly disclose HTTP providing log on application. Official Notice is taken that it is taken that HTTP providing application for log on was well known and common practice in the art. It has been utilized all over the Internet world for securing data communication between server and client device. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include such application for securing data communication with the head end.

10. Regarding claim 8 AAPA-Mao does not explicitly teach the system include DNS and resolving IP address by using DNS. Official Notice is taken that DNS and its utilization as claimed were well known in the art at the time of the invention was made. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include such well known DNS and address resolution in order to locally obtaining IP address, in order to minimize network traffic.

11. Regarding claims 9-12, AAPA-Mao discloses the invention substantially, as claimed, as described, including, inherent capability of viewing certain information. However, AAPA-Mao does not explicitly teach a type of pertaining information is related to parental control, which allowing the system to block number and time of using home line. Official Notice is taken that parental control, including blocking content based on time of the day were well known and routinely used in the art for controlling network content, which the minors can access, for instance cable TV provider, providing a viewing screen for parent to set time and content that his

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or her child or children can view. Thus, incorporate the well-known technique for the same purpose would have been obvious to one of ordinary skill in the art at the time of the invention was made.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bunjob Jaroenchonwanit whose telephone number is (571) 272-3913. The examiner can normally be reached on 8:00-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to be 'Bunjob Jaroenchonwanit', written over a horizontal line.

Bunjob Jaroenchonwanit  
Primary Examiner  
Art Unit 2143

/bj  
11/22/04